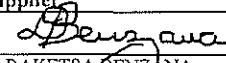
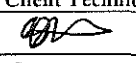

 <b>RIGAMANI CONSTRUCTION (PTY) LTD</b>	<b>ITP</b> <b>BASE FOUNDATIONS</b>	<b>AUTHORISED BY: O HLATSWAYO</b>
		<b>COMPILED BY: D R BENZANA</b>
		<b>Ref No: RC – ITPBF</b>
		<b>Rev No: 1</b>
		<b>Date: 13/04/2016</b>
<b>Tender No: 452523371</b>	<b>Project Description: WATERSHED STRENGTHENING – CIVIL WORKS PROJECT</b>	
<b>Item / Process Description : BASE FOUNDATIONS</b>		<b>Section / Unit:</b>
<b>INSPECTION TEST PLAN :009</b>		

Operational / Activity Number and Description		Instruction Procedure Drawings Or Specification Reference	Visual Dimension Documentation Or Non – Destructive Examination Activities				Supplier s hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Client s Hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Remarks Deficiency or Non Conformance Report number
			Vis	Dim	Doc	NDE							
1 SURVEYING													
1 1	Check drawing spec		✓				H			H			
1 2	Check peg position	Surveying and setting out method statement		✓			H			H			
1 3	Check foundation setting out	Surveying and setting out method statement		✓			H			H			
2 EXCAVATION													
2 1	Check separation of top soil	Excavation checklist, excavation methodstatement	✓				H			H			
2 2	Check depth of excavation	Excavation checklist, excavation methodstatement		✓			H			H			
2 3	Check compaction	Excavation checklist, excavation methodstatement		✓			T,I			T,I			
2 4	Check excavation barrication	Excavation checklist, excavation methodstatement		✓			W			W			
3 CONCRETE													
3 1	Check mix design for minimum strength requirements	SANS 5861 2 2006 SANS 878 2012			✓		H			H			
3 2	Take slump test	SANS 5862 1 2006	✓		✓		H			H			
3 3	Take concrete cube test	SANS 5861 3 2006	✓				H			H			
4 CONCRETE FOUNDATION													
4 1	Check blinding	Concrete Mix design		✓			H			H			
4 2	Check rebar tied at intersections	Foundation methodstatement, SANS 920 2011	✓				H			H			
4 3	Check foamwork	Foundation methodstatement.	✓				I			I			

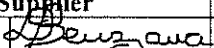
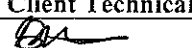
4 4	Check H.D Bolt projection (when applicable)	Foundation methodstatement,	✓			H/I			4,I			
4 5	Check placing of concrete & vibrating of concrete	SANS 878 2012 Foundation methodstatement,	✓			H			H			
4 6	Check concrete finish curing compound applied	SANS 878 2012 Foundation methodstatement,	✓			W			W			
4 7	Check foundation levels	Surveying and setting out method statement Foundation methodstatement,	✓			I			I			
5 BACKFILLING												
5 1	Check material & compaction	Geo technical test, compacting test results	✓	✓		T,I			T,I			
5 2	Check top soil placement	Foundation methodstatement,	✓			I,			I			
5 3	Check concrete foundation 150mm minimum above ground level	Foundation methodstatement,	✓			H			H			
5 4	Re check Final Foundation Levels	Surveying and setting out method statement	✓			W			W			


Approved By Supplier		Approved by Client QA		Approved By Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature	
Name	RAKETSA BENZANA	Name		Name	SENZO DUMA	Name	
Designation	QUALITY REP	Designation		Designation	ENGINEER	Designation	
Date	08/06/2017	Date		Date	20/06/2017	Date	

	RIGAMANI CONSTRUCTION (PTY) LTD	<p align="center"><b>ITP</b> <b>CABLE TRENCH</b></p>	AUTHORISED BY: O HLATSWAYO
			COMPILED BY: V JACKSON
			Ref No: RC – ITPCT
			Rev No: 0
			Date: 01/04/2016
Order No: 452523371		Project Description: WATERSHED STRENGTHENING – CIVIL WORKS	
Item / Process Description: CABLE TRENCH			Section / Unit:
INSPECTION TEST PLAN:018			

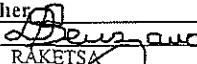
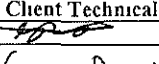
Operational / Activity Number and Description	Instruction Procedure Drawings Or Specification Reference	Visual Dimension Documentation Or Non – Destructive Examination Activities				Supplier's hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Client's Hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Remarks Deficiency or Non Conformance Report number
		Vis	Dim	Doc	NDE							

1 Check drawing spec	Surveying setting out method statement		✓	✓		I			I			
2 Check setting out	Surveying setting out method statement	✓	✓			I			I			
3 Check excavation & trimming	Excavation method statement, excavation check list		✓			I			I			
4 Check placing of kerbs	Kerb spec		✓			H,T,I			H,T,I			
5 Check for lines and level	Surveying setting out method statement	✓				I			I			
6 Check concrete strength	Mix design	✓				I			I			
7 Check concrete honching	Mix design	✓				I			I			
8 Check joint sealing	Mix design	✓				I			I			
9 Check placing of RIVERSAND	Eskom trench cover spec	✓				I			I			
10 Check placing of trench covers	Eskom trench cover spec	✓				I			I			

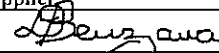
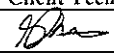
Approved By Supplier		Approved by Client QA		Approved By Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature	
Name	R BENZANA	Name		Name	SENZO DUMA	Name	
Designation	QUALITY	Designation		Designation	ENGINEER	Designation	
Date	08/06/2017	Date		Date	20/06/2017	Date	


 <b>RIGAMANI CONSTRUCTION (PTY) LTD</b>	<b>ITP SUB SOIL DRAIN</b>	<b>AUTHORISED BY: O HLATSWAYO</b>
		<b>COMPILED BY: V JACKSON</b>
		<b>Ref No: RC – ITPSSD</b>
		<b>Rev No: 0</b>
		<b>Date: 01/04/2016</b>
<b>Tender No: 452523371</b>	<b>Project Description: WATERSHED STRENGTHENING CIVIL WORKS</b>	
<b>Item / Process Description: SUB SOIL DRAIN</b>		<b>Section / Unit:</b>
<b>INSPECTION TEST PLAN:016</b>		

Operational / Activity Number and Description	Instruction Procedure Drawings Or Specification Reference	Visual Dimension Documentation Or Non – Destructive Examination Activities				Supplier s hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Client s Hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Remarks Deficiency or Non Conformance Report number
		Vis	Di m	Doc	NDE							
1	Check drawing spec			✓		I			I			
2	Check setting out		✓			H,I			H, I			
3	Check depth of excavation		✓			H,I			H, I			
4	Check placing of non woven- geotextile	✓				I			I			
5	Check placing of pvc pipes	✓				I			I			
6	Check filling of aggregate	✓				I			I			
7	Check closing of non woven geotextile blanket			✓		H,T,I			H, T, I			

Approved By Supplier		Approved by Client QA		Approved By Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature	
Name	RAKETSA BENZANA	Name		Name	SENZO DUMA	Name	
Designation	QUALITY REP	Designation		Designation	ENGINEER	Designation	
Date	15/06/2017	Date		Date	20/06/2017	Date	


4 4	Check H D Bolt projection (when applicable)	Foundation methodstatement,		✓			H/I			H, I			
4 5	Check placing of concrete & vibrating of concrete	SANS 878 2012 Foundation methodstatement,	✓				H			H			
4 6	Check concrete finish curing compound applied	SANS 878 2012 Foundation methodstatement,	✓				W			W			
4 7	Check foundation levels	Surveying and setting out method statement Foundation methodstatement,		✓			I			I			
5 BACKFILLING													
5 1	Check material & compaction	Geo technical test, compacting test results	✓		✓		T, I			I			
5 2	Check top soil placement	Foundation methodstatement,	✓				I,			I			
5 3	Check concrete foundation 150mm minimum above ground level	Foundation methodstatement,		✓			H			H			
5 4	Re check Final Foundation Levels	Surveying and setting out method statement		✓			W			W			

Approved By Supplier		Approved by Client QA		Approved By Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature	
Name	RAKETSA BENZANA	Name		Name	SENZO DUMA	Name	
Designation	QUALITY REP	Designation		Designation	Engineer	Designation	
Date	08/06/2017	Date		Date	20/06/2017	Date	

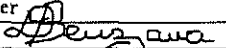
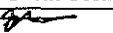
	<b>RIGAMANI CONSTRUCTION (PTY) LTD</b>	<b>INSPECTION AND TEST PLAN FOR STRUCTURAL STEEL</b>	<b>AUTHORISED BY: O HLATSWAYO</b>
			<b>COMPILED BY: V JACKSON</b>
			<b>Ref No: RC – ITPSS</b>
			<b>Rev No: 1</b>
<b>TENDER NO. 452523371</b>		<b>Project Description: WATERSHED STRENGTHENING CIVIL WORKS</b>	<b>Date: 18/11/16</b>
<b>Item / Process Description: STRUCTURAL STEEL ASSEMBLY AND ERECTION</b>			<b>Section /Unit:</b>
<b>INSPECTION TEST PLAN 020</b>			


Operational / Activity Number and Description	Instruction Procedure Drawings Or Specification Reference	Visual Dimension Documentation Or Non – Destructive Examination Activities				Supplier's hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Client's Hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Remarks Deficiency or Non Conformance Report number
		Vis	Dim	Doc	NDE							

INSPECTION AT SUPPLIERS YARD												
1	Inspection of steel at the supplier yard	Inspection notification IMAB ENGINEERING			✓		I			I		
2	Check drawing spec	Structural steel drawings			✓		I			I		
3	Check galvanizing release certificate	Galvanize certificate Transvaal Galvanizers Imab Engineering			✓		W			W		
ASSEMBLYING OF STEEL ON SITE												
4	Check for correct steel members	Assembly and erection of steel method statement	✓	✓			H			H		
5	Check for correct bolts, nuts and washers	Assembly and erection of steel method statement	✓		✓		I			I		
6	Check steel markings according to drawing	Assembly and erection of steel method statement	✓		✓		I			I		
7	Check correct height of steel for	Assembly and		✓	✓		I			I		

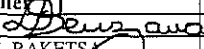
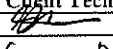
<b>RIGAMANI CONSTRUCTION (PTY) LTD</b> 	<b>INSPECTION AND TEST PLAN FOR STRUCTURAL STEEL</b>	<b>AUTHORISED BY: O HLATSWAYO</b>
		<b>COMPILED BY: V JACKSON</b>
		<b>Ref No: RC – ITPSS</b>
		<b>Rev No: 1</b>
		<b>Date: 18/11/16</b>
<b>TENDER NO 452523371</b>	<b>Project Description WATERSHED STRENGTHENING CIVIL WORKS</b>	
<b>Item / Process Description STRUCTURAL STEEL ASSEMBLY AND ERECTION</b>		<b>Section /Unit</b>
<b>INSPECTION TEST PLAN 020</b>		

	different foundations	erection of steel method statement											
8	Check fastening of bolts and nuts	Assembly and erection of steel method statement	✓				I			I			
	Check projection of all bolts on steel members	Assembly and erection of steel method statement			✓		I			I			
<b>ERECTION OF STEEL</b>													
	Placing of steel next to foundations	Assembly and erection of steel method statement	✓				W			W			
	Check foundation H D bolts and nuts and washers	Assembly and erection of steel method statement		✓			I			I			
	Clean H D Bolts on all foundations	Assembly and erection of steel method statement	✓				I			I			
	Erect steel with crane truck	Assembly and erection of steel method statement	✓				H			H			
	Fasten H D bolts on all structural steel	Assembly and erection of steel method statement	✓				I			I			
	Torque and mark all bolts	Assembly and erection of steel method statement	✓				I			I			


<b>Approved By Supplier</b>		<b>Approved by Client QA (E A)</b>		<b>Approved By Client Technical</b>		<b>Approved by Client Projects</b>	
Signature		Signature		Signature		Signature	
Name	RAKETSA BENZANA	Name		Name	SENZO DUMA	Name	
Designation	QUALITY REP	Designation		Designation	ENGINEER	Designation	
Date	15/06/2017	Date		Date	20/06/2017	Date	

	RIGAMANI CONSTRUCTION (PTY) LTD	<p align="center"><b>ITP</b> <b>STORMWATER</b></p>	AUTHORISED BY: O HLATSWAYO
			COMPILED BY: V JACKSON
			Ref No: RC – ITPSW
			Rev No: 1
			Date: 13/04/2016
Tender No 452523371		Project Description: WATERSHED STRENGTHENING CIVIL WORKS	
Item / Process Description: STORMWATER		Section / Unit:	
INSPECTION TEST PLAN:015			

Operational / Activity Number and Description	Instruction Procedure Drawings Or Specification Reference	Visual Dimension Documentation Or Non – Destructive Examination Activities				Supplier's hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Client's Hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Remarks Deficiency or Non Conformance Report number
		Vis	Dim	Doc	NDE							
1	Check drawing spec			✓		I			I			
2	Check setting out		✓			H,I			H,I			
3	Check depth of excavation		✓			H,I			H, I			
4	Check compaction		✓			I,T			I, T			
5	Check blinding for manhole	✓				I			I			
6	Check bedding	✓				I			I			
7	Check laying of pipes	✓				I			I			
8	Check backfilling and compaction			✓		H,T,I			H, T, I			
9	Check inlet and outlet	✓				I			I			
10	Check manhole position	✓				I			I			

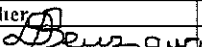
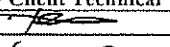
Approved By Supplier		Approved by Client QA		Approved By Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature	
Name	RAKETSA BENZANA	Name		Name	SENZO DUMA	Name	
Designation	QUALITY REP	Designation		Designation	ENGINEER	Designation	
Date	15/06/2017	Date		Date	20/06/2017	Date	




	<b>RIGAMANI CONSTRUCTION (PTY) LTD</b>	<b>ITP</b> <b>OIL HOLDING DAM</b>	<b>AUTHORISED BY: O HLATSWAYO</b>
			<b>COMPILED BY: D R BENZANA</b>
			<b>Ref No: RC – ITPOHD</b>
			<b>Rev No: 0</b>
			<b>Rev Date: 01/04/2016</b>
<b>Order No: 452523371</b>	<b>Project Description: WATERSHED STRENGTHENING CIVIL WORK</b>		
<b>Item / Process Description: OIL HOLDING DAM</b>			<b>Section / Unit:</b>
<b>INSPECTION TEST PLAN-014</b>			


Operational / Activity Number and Description		Instruction Procedure Drawings Or Specification Reference	Visual Dimension Documentation Or Non – Destructive Examination Activities				Supplier's hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Client s Hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Remarks Deficiency or Non Conformance Report number
			Vis	Dim	Doc	NDE							
1 SURVEYING													
1 1	Check drawing spec	Surveying and setting out methodstatement	✓				H			H			
1 2	Check peg position	Surveying and setting out methodstatement		✓			H			H			
1 3	Check setting out of oil dam	Surveying and setting out methodstatement		✓			H			H			
2 EXCAVATION													
2 1	Check removal of excess material	Excavation methodstatement, PW 371-B edition 2 1	✓				H			H			
2 2	Check fill material	PW 371-B edition 2 1		✓			H			H			
2 3	Check compaction as per drawing spec	Compaction test results		✓			W			W			
2 4	Check depth of excavation	Excavation methodstatement, excavation checklist		✓			W			W			
2 5	Check barricading of excavation	Excavation methodstatement, excavation checklist			✓		H			H			
3 CONCRETE													
3 1	Check iron angle for concrete level	SANS 5861 2 2006 SANS 878 2012	✓	✓			H/I			H, I			
3 2	Check placing of meshwire	SANS 920 2011	✓				H/I			I			
3 3	Check placing of water stoppers per concrete panel	PW 371-B edition 2 1	✓				H/I			I			

3 3	Check concrete placing	SANS 878 2012		✓			I			I			
3 4	Check concrete finishing curing compound applied	SANS 878 2012	✓				I			I			
4													
PIPE WORK (SUMERSIBLE PIPE)													
4 1	Check depth of pipe excavation	Excavation methodstatement, excavation checklist		✓			H/I			I			
4 2	Check pipe level from inlet as per drawing spec	Surveying and setting out methodstatement		✓			I			I			
4 3	Check pipe level for outlet pipe as per drawing spec	Surveying and setting out methodstatement		✓			I			I			
4 4	Check pipe laying	PW 371-B edition 2 1	✓				W			W			
4 5	Check compaction as per drawing spec	Geo technical test, compacting test results	✓		✓		I			I			
5													
BRICKWORK													
5 1	Check setting out for brickwork	Surveying and setting and Building methodstatement	✓				H/W			H, W			
5 2	Check motar mix6 2	Building methodstatement PW 371-B edition 2 1	✓				I			I			
5 3	Check bedding and peps	Building methodstatement PW 371-B edition 2 1	✓				I			I			
5 4	Check vertical brick	Building methodstatement PW 371-B edition 2 1	✓				I			I			
5 5	Check pointing and jointing	Building methodstatement PW 371-B edition 2 1	✓				I			I			
5 6	Check cleaning of brickwork	Building methodstatement		✓			I			I			
6													
STEELWORK AND FENCING													
6 1	Check material on delivery	Steel erecting methodstatement	✓				I			I			
6 2	Check holes for straining wire	Steel erecting methodstatement PW 371-B edition 2 1	✓				I			I			
6 3	Check installation of trap door	Steel erecting methodstatement PW 371-B edition 2 1	✓	✓			I			I			

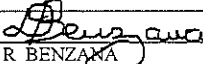
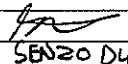
Approved By Supplier		Approved by Client QA		Approved By Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature	
Name	RAKETSA BENZANA	Name		Name	SENZO DUMA	Name	
Designation	QUALITY REP	Designation		Designation	ENGINEER	Designation	
Date	15/06/2017	Date		Date	20/06/2017	Date	


	<b>RIGAMANI CONSTRUCTION (PTY) LTD</b>	<b>ITP BULK EARTH WORKS</b>	<b>AUTHORISED BY: O HLATSWAYO</b>
			<b>COMPILED BY: V JACKSON</b>
			<b>Ref No: RC – ITPBEW</b>
			<b>Rev No: 1</b>
			<b>Date: 13/04/2016</b>
<b>Order No: 452523371</b>		<b>Project Description: WATERSHED STRENGTHENING CIVIL WORK</b>	
<b>Item / Process Description : BULK EARTHWORKS</b>			<b>Section / Unit:</b>
<b>INSPECTION TEST PLAN: 001</b>			

Operational / Activity Number and Description	Instruction Procedure Drawings Or Specification Reference	Visual Dimension Documentation Or Non – Destructive Examination Activities				Supplier s hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Client s Hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Remarks Deficiency or Non Conformance Report number
		Vis	Dim	Doc	NDE							
1 Check drawing spec	Survey and setting out methodstatement	✓		✓		I,			I			
2 Check setting out	Survey and setting out methodstatement		✓	✓		H,I			H,I			
3 Check bush clearing	EMP,INPACT AND ASPECT REGISTER	✓		✓		I,W			I, W			
4 Check clearing and grubbing	Site establishment methodstatement, EMP, Survey and setting out methodstatement	✓		✓		H,I			H,I			
5 Check removal of excess material	Survey and setting out methodstatement	✓		✓		W,I			W, I			
6 Check removal of top soil	EMP, Survey and setting out methodstatement	✓				H,I			H, I			
7 Check depth of excavation	Excavation methodstatement, excavation checklist		✓			I			I			
8 Check fill material	Geo technical report		✓			I			I			
9 Check compaction per layer	Compaction test results			✓		H,T,I			H, T, I			
10 Check soil moisture	Compaction test results			✓		T,I			T, I			
11 Check cutting (excavation) per drawing spec	Compaction test results, Excavation methodstatement, excavation checklist	✓	✓			T,H,I			T, H, I			


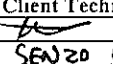
	<b>RIGAMANI CONSTRUCTION (PTY) LTD</b>	<b>ITP BULK EARTH WORKS</b>	<b>AUTHORISED BY: O HLATSWAYO</b>
			<b>COMPILED BY: V JACKSON</b>
			<b>Ref No: RC – ITPBEW</b>
			<b>Rev No: 1</b>
			<b>Date: 13/04/2016</b>


<b>Order No: 452523371</b>		<b>Project Description: WATERSHED STRENGTHENING CIVIL WORK</b>									
<b>Item / Process Description : BULK EARTHWORKS</b>										<b>Section / Unit:</b>	
<b>INSPECTION TEST PLAN: 001</b>											
12 Check removal/ blasting of rock to 1.5m below TL	Blasting Method statement Excavation checklist	✓	✓			H, I			H, I		
13 Check approved fill material per drawing spec	PW 371 B edition 2.1			✓		H			H		
14 Check fill and compaction as per spec	PW 371 B edition 2.1					H, I			H, I		

Approved By Supplier		Approved by Client QA		Approved By Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature	
Name	R. BENZAMA	Name		Name	SENZO DUMA	Name	
Designation	QUALITY REP	Designation		Designation	ENGINEER	Designation	
Date	15/06/2017	Date		Date	20/06/2017	Date	

 <b>RIGAMANI CONSTRUCTION (PTY) LTD</b>	<b>ITP FENCING</b>	<b>AUTHORISED BY: O HLATSWAYO</b>
		<b>COMPILED BY: V JACKSON</b>
		<b>Ref No: RC – ITPF</b>
		<b>Rev No: 1</b>
		<b>Date: 13/04/2016</b>
<b>TENDER No: 452523371</b>	<b>Project Description: WATERSHED STRENGTHENING – CIVIL WORKS PROJECT</b>	
<b>Item / Process Description: FENCING</b>		<b>Section / Unit:</b>
<b>INSPECTION TEST PLAN:013</b>		

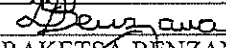
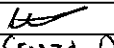
Operational / Activity Number and Description	Instruction Procedure Drawings Or Specification Reference	Visual Dimension Documentation Or Non – Destructive Examination Activities				Supplier s hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Client's Hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Remarks Deficiency or Non Conformance Report number
		Vis	Dim	Doc	NDE							
1	Check drawing spec	✓				I			I			
2	Check setting out		✓			W/I			W, I			
3	Check clearing fence line					I			I			
4	Check material on delivery	✓		✓		I			I			
5	Check holes for straining holes	✓				I			I			
6	Check excavations for fence posts	✓				I			I			
6	Check installation & lining of posts		✓			I			I			
7	Check concrete strength			✓		I,T			I,T			
8	Check complete fence	✓				I			I			


Approved By Supplier		Approved by Client QA		Approved By Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature	
Name	Raketsa Benzana	Name		Name	SENZO DUMA	Name	
Designation	Quality Rep	Designation		Designation	ENGINEER	Designation	
Date	08/06/2017	Date		Date	2016/06/2017	Date	

	RIGAMANI CONSTRUCTION (PTY) LTD	<p align="center"><b>ITP</b></p> <p align="center"><b>CONSTRUCTION OF MANHOLES</b></p>	AUTHORISED BY: O HLATSWAYO
			COMPILED BY: V JACKSON
			Ref No: RC – ITP-CM
			Rev No: 1 LAST REV : 09/09/2009
			Date: 14/01/2015

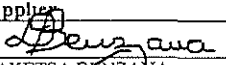
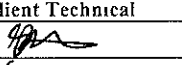
Order No: 452523371	Project Description: WATERSHED STRENGTHENING CIVIL WORKS
Item / Process Description: CONSTRUCTION OF MANHOLES	Section / Unit

Operational / Activity Number and Description		Instruction Procedure Drawing or Specification Reference	Visual Dimensional Documentation or Non – Destructive Examination Activities				Supplier's Hold (H) Inspection Test (T), Witness (W) or Surveillance (S) Points	Client Hold (H) Inspection (I) Test (T), Witness (W) or Surveillance (S) Points	Remarks Deficiency or Non Conformance Report numbers		
			Vis	Dim	Doc	NDE	Signature	Date	Signature	Date	
1	Check drawing spec	0 54/390 sheet 1 rev 4	✓				H		H		
2	Check setting out	0 54/390 sheet 1 rev 4		✓			I		I		
3	Check depth of excavation	0 54/390 sheet 1 rev 4		✓			H,I		H,I		
4	Check bottom base compaction	0 54/390 sheet 1 rev 4			✓		I		I		
5	Check base blinding	0 54/390 sheet 1 rev 4		✓			W		W		
6	Check base reinforcement	0 54/390 sheet 1 rev 4		✓			I		I		
7	Check concrete strength and casting	0 54/390 sheet 1 rev 4		✓			H,I		H,I		
8	Check setting out for brickwork	0 54/390 sheet 1 rev 4	✓				H,I		H, I		
9	Check motar mix6 2	0 54/390 sheet 1 rev 4	✓				I		I		
10	Check brickwall and step irons	0 54/390 sheet 1 rev 4	✓	✓			I		I		
11	Check formwork for top concrete cover	0 54/390 sheet 1 rev 4	✓	✓			I		I		
12	Check manhole cover as per spec	0 54/390 sheet 1 rev 4		✓			I		I		
13	Check top concrete casting	0 54/390 sheet 1 rev 4	✓				I		I		
14	Final inspection	0 54/390 sheet 1 rev 4	✓				I		I		

Approved By Supplier		Approved by Client QA		Approved By Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature	
Name	RAKETSA BENZANA	Name		Name	SENZO DUMA	Name	
Designation	QUALITY REP	Designation		Designation	ENGINEER	Designation	
Date	15/06/2017	Date		Date	20/06/2017	Date	

 <b>RIGAMANI CONSTRUCTION (PTY) LTD</b>	<b>ITP CONCRETE ROAD</b>	<b>AUTHORISED BY: O HLATSWAYO</b>
		<b>COMPILED BY: D R BENZANA</b>
		<b>Ref No: RC – ITPCR</b>
		<b>Rev No: 1</b>
		<b>Date: 13/04/2016</b>
<b>Tender No: 452523371</b>		
<b>Project Description: WATERSHED STRENGTHENING – CIVIL WORKS PROJECT</b>		
<b>Item / Process Description : CONCRETE ROAD</b>		<b>Section / Unit:</b>
<b>INSPECTION TEST PLAN :012</b>		

Operational / Activity Number and Description	Instruction Procedure Drawings Or Specification Reference	Visual Dimension Documentation Or Non – Destructive Examination Activities				Supplier's hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Client s Hold (H) Inspection (I) Test (T) Witness (W) OR Surveillance (S) Points	Signature	Date	Remarks Deficiency or Non Conformance Report number
		Vis	Di m	Doc	ND E							
1 SURVEYING												
1 1 Check drawing spec	Surveying and setting out method statement	✓				H			H			
2 EXCAVATION												
2 1 Check depth of excavation	Excavation checklist, excavation methodstatement		✓			H			H			
2 2 Check compaction of excavation	Excavation checklist, excavation methodstatement		✓			W I			W, I			
2 2 Check excavation barrication	Excavation checklist, excavation methodstatement		✓			W			W			
3 CONCRETE												
3 1 Check mix design for minimum strength requirements	SANS 5861 2 2006 SANS 878 2012			✓		H			H			
3 2 Take slump test	SANS 5862 1 2006	✓		✓		H			H			
3 3 Take concrete cube test	SANS 5861 3 2006	✓				H			H			
4.CONCRETE CASTING												
4 1 Check foamwork	Foundation methodstatement,	✓				I			I			
4 2 Check placing of concrete & vibrating of concrete	SANS 878 2012 Foundation methodstatement,	✓				H			H			
4 3 Check concrete finish curing compound applied	SANS 878 2012 Foundation methodstatement,	✓				W			W			
4 4 Check foundation levels	Surveying and setting out method statement Foundation methodstatement,		✓			I			I			
4 5 Re check Final Levels	Surveying and setting out method statement		✓			W			W			

Approved By Supplier		Approved by Client QA		Approved By Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature	
Name	RAKETSA BENZANA	Name		Name	SENZO DUMA	Name	
Designation	QUALITY REP	Designation		Designation	ENGINEER	Designation	
Date	08/06/2017	Date		Date	20/06/2017	Date	